

UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION

PATENT NO. : 7,588,648 B2  
APPLICATION NO. : 10/549964  
DATED : September 15, 2009  
INVENTOR(S) : Haruhisa Toyoda et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page Item (73):

Please delete, "Sumitomo Electric Industries, Inc." and insert -- Sumitomo Electric  
Industries, Ltd. -- therefor.

Signed and Sealed this

Twenty-third Day of February, 2010



David J. Kappos  
*Director of the United States Patent and Trademark Office*